Texas Commission on Environmental Quality
Surface Water Quality Monitoring Program

Habitat Assessment Worksheet – Part II of III

Part II - Summary of Physical Characteristics of Water Body

Using information from all of the transects and measurements in Part I and other sources, report the following general characteristics or averages for the entire reach:

Stream Name		**Date**	

Physical Characteristics	**Value**
Stream bed slope over evaluated reach (from USGS map; elevation change in meters/reach length in meters)	
Approximate drainage area above the transect furthest downstream (from USGS or county highway map in km^2)	
Stream order	
Length of stream evaluated (in meters or kilometers)	
Number of lateral transects made	
Average stream width (in meters)	
Average stream depth (in meters)	
Instantaneous stream flow (in ft^3/sec)	
Indicate flow measurement method	
Channel flow status (high, moderate, low, or no flow)	
Maximum pool width (in meters)	
Maximum pool depth (in meters)	
Total number of stream bends	
Number of well defined bends	
Number of moderately defined bends	
Number of poorly defined bends	
Total number of riffles	
Dominant substrate type	
Average percent of substrate gravel sized or larger	
Average percent instream cover	
Number of stream cover types	
Average percent stream bank erosion potential	
Average stream bank slope (in degrees)	
Average width of natural buffer vegetation (in meters)	
Average riparian vegetation percent composition by: (total to equal 100%)	
Trees	
Shrubs	
Grasses and Forbes	
Cultivated fields	
Other	
Average percent tree canopy coverage	
Overall aesthetic appraisal of the stream	